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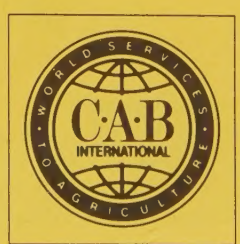

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How to use Nematological Abstracts

● Either BROWSE, using the CONTENTS

Within each issue, records are sequenced according to their principal subject matter – see CONTENTS page.

Coverage includes plant-parasitic nematodes (not limited to those on economically important plants), free-living nematodes in soil or water, and nematodes associated with invertebrates as final hosts.

● Or SEARCH, using the INDEXES

Subject indexes and author indexes are compiled quarterly and cumulated annually.

SUBJECT INDEX

This guides the user to all the records that make significant reference to specific topics, including the following:

NEMATODES, OTHER INVERTEBRATES AND MICROORGANISMS

Scientific names are used. Records that refer to ecological groups of nematodes in a general way are indexed under these group names: Plant parasitic nematodes, Entomophilic nematodes, Free living nematodes, Marine nematodes. The following headings are used to group the names of individual organisms: Arthropods, Bacteria, Fungi, Insects, Nematophagous fungi, Plant viruses.

HOST PLANTS

English common names are used for major crops, scientific names for minor crops and other plants. Records that refer mainly to groups are indexed under group names, e.g. cereals, vegetables.

COUNTRY OR REGION

For records where geographical occurrence is of particular relevance.

AGROCHEMICALS etc.

Including common or chemical names, with cross-references from proprietary names. See also Nematicides for general records.

OTHER HEADINGS

The main ones are listed here. Scan the ANNUAL INDEX for a more complete picture.

Acid rain
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Behaviour
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Biological control agents
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AUTHOR INDEX

All authors of each paper are indexed alphabetically by surname. Variants of surnames are also indexed.

A TYPICAL RECORD

1) Abstract No.
2) Authors
3) English translation of title
4) Title
5) Journal or other document
6) (Year) Volume (Part) pages
7) Language of text, any other language of summary
8) Address of first author
9) Abstract
10) Preferred name, if the author uses another name.

The title should be read as an integral part of the abstract.

1 2

894 BOIVIN, G.; BELAIR, G.; FOURNIER, Y.; THIBODEAU, D.
3 → **[Laboratory evaluation of two races of entomophagous nematodes against the carrot weevil.]** L'evaluation en ← 4
laboratoire de deux races de nématodes entomophages
contre le charançon de la carotte. *Résumé des Recherches,* ← 5
Station de Recherches de Saint-Jean-sur-Richelieu, Québec.
6 → (1987) **16**, 24-25 [Fr, en] Research Station, Saint 7
8 → Jean-sur-Richelieu, CP457, Que. J3B 6Z8, Canada.
9 → The effects of 2 strains of *Steinernema feltiae*
10 → [*Neoaplactana carpocapsae*] on the survival and oviposition of adults of the carrot pest *Listronotus oregonensis* were investigated in the laboratory. The LT50 for overwintered adults was significantly higher than for adults 1-60 days old. When no feeding or oviposition took place, the LT50 was significantly lower for females than males. The availability of food reduced the LT50 for both sexes, but oviposition did not increase the susceptibility in females.

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LIST OF JOURNALS CITED

The annual indexes include an alphabetical list of all journals cited during the year.

ABBREVIATIONS

A number of easily understood abbreviations are used (e.g. sp., species). Initial letters may be used for a nematode after its full name has appeared. The following are also used:

a.i.	active ingredient	EM	electron microscope	PAGE	polyacrylamide gel electrophoresis
coeff.	coefficient	FW	fresh weight	RH	relative humidity
conc.	concentrated	ID	infective dose	SEM	scanning electron microscope
concn	concentration(s)	IU	International unit	str.	strain
CV	coefficient of variation	J_2	second-stage juvenile(s)	TEM	transmission electron microscope
DM	dry matter				
DW	dry weight	LC	lethal concentration		
ED	effective dose	LD	lethal dose		
ELISA	enzyme-linked immunosorbent assay	LT	lethal time		

In abbreviations for languages an initial capital denotes the language of the paper, an initial small letter the language of the summary.

Af	Afrikaans	En	English	Ja	Japanese	Pt	Portuguese
Al	Albanian	Eo	Esperanto	Ko	Korean	Ro	Romanian
Ar	Arabic	Es	Spanish	La	Latin	Ru	Russian
Az	Azerbaijani	Fi	Finnish	Li	Lithuanian	Sh	Serbo-Croat (either script)
Be	Byelorussian (White Russian)	Fr	French	Lv	Latvian	Sk	Slovak
		Gr	Greek	Ma	Macedonian	Sn	Slovene
Bg	Bulgarian	He	Hebrew	My	Malay and Bahasa Malaysia	Sv	Swedish
Ch	Chinese	Hu	Hungarian			Ta	Tajik
Cs	Czech	Ia	Interlingua	Nl	Dutch, Flemish	Tr	Turkish
Da	Danish	In	Indonesian	No	Norwegian	Uk	Ukrainian
De	German	Is	Icelandic	Pe	Persian		
Ee	Estonian	It	Italian	Pl	Polish		

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Onchocerciasis Research Unit
The Onchocerciasis Research Unit is funded by (1) the World Health Organisation to work on drug discovery and development as part of a major programme to produce new drugs for the safe and effective treatment of human onchocerciasis (River Blindness), and (2) the Edna McConnell Clark Foundation to develop a vaccine to prevent infection with *Onchocerca*.

S. Townson MSc, PhD
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Tropical Plant Nematology Advisory and Research Unit
The unit gives practical advice on plant-parasitic nematode problems and their control, and undertake research contracts both overseas and at the Institute.

J.Bridge PhD
S.L.J. Page PhD
R.A. Plowright PhD

Collections
CIP houses extensive reference collections of both animal helminths and plant-parasitic nematodes, the collections of several eminent helminthologists, and is the WHO Collaborating Centre for the Filarioidea. It is also a recognised repository for type specimens.

Books
Latest titles: Siddiqi, M.R. 1986 Tylenchida; Parasites and Insects 645pp. 166 illus. ISBN 0 85198 554 8
Gibbons, L.M. 1986 SEM Guide to Morphology of Nematode Parasites of Vertebrates 200 pp. 443 illus. ISBN 0 85198 569 6
Jepson S.B. 1987 Identification of Root-Knot Nematodes (*Meloidogyne* species) x + 265pp. inc. illus. & figs. ISBN 0 85198 556 4
Muller, R. & Horsburgh, R.C.R. 1987 Bibliography of Onchocerciasis (1841-1985) 468pp. ISBN 0 85198 604 8

Training Courses
Six-week intensive international training courses on animal helminth parasites and plant-parasitic nematodes are held in alternate years.

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Many other serials were scanned during 1990 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition.* The publication includes ISSNs and publishers' addresses.

Abhandlungen und Berichte des Naturkundemuseums Görlitz
ACIAR Proceedings Series
Acta Agriculturae Shanghai
Acta Entomologica Bohemoslovaca
Acta Entomologica Fennica
Acta Horticulturae
Acta Zoologica Hungarica
Advances in Biosciences
Advances in Disease Vector Research
Advances in Horticultural Science
AFRC News
African Environment
AgBiotech News and Information
Agricultural and Biological Chemistry
Agricultural Zoology Reviews
Agriculture, Ecosystems & Environment
Agroforestry Abstracts
Agronomía Costarricense
Agronomie
Agronomique Tropicale
Agronomy Journal
Alexandria Journal of Agricultural Research
American Journal of Agricultural Economics
American Nurseryman
American Potato Journal
Anales de Edafología y Agrobiología
Annales Agriculturae Fenniae
Annales Société Royale Zoologique de Belgique.
Annals of Agricultural Research
Annals of Applied Biology
Annals of Biology (Ludhiana)
Annals of the Phytopathological Society of Japan
Annual Report - Kanto Forest Tree Breeding Institute, Japan
Annual Report of the Society of Plant Protection of North Japan
Annual Review of Phytopathology
Antonie van Leeuwenhoek
Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
Applied Agricultural Research
Applied and Environmental Microbiology
Applied Engineering in Agriculture
Applied Entomology and Zoology
Applied Plant Science
Arab and Near East Plant Protection Newsletter
Arab Journal of Plant Protection
Arable Farming
Archiv für Phytopathologie und Pflanzenschutz
Archiv für Züchtungsforschung
Archives of Biochemistry and Biophysics
Archives of Environmental Health
Arkansas Farm Research
ASFIS Reference Series, Aquatic Sciences and Fisheries Information System
Aspects of Applied Biology
Australasian Plant Pathology
Australian Journal of Agricultural Research
Australian Journal of Biotechnology
Australian Journal of Experimental Agriculture
Banana Bulletin
Banana Growers Federation Bulletin
Barley Genetics Newsletter
Beiträge zur Tropischen Landwirtschaft und Veterinärmedizin
Berita Penyelidikan
Besseres Obst
Bibliographies and Literature of Agriculture
Bio-Science Research Bulletin
Biochemical Journal (London)
Biochemical Pharmacology
Biofutur
Biológia (Bratislava)
Biological Journal of the Linnean Society
Biological Wastes
Biológico
Biologische Jaarboek
Biologiya Moriya
Biology and Fertility of Soils
Botanica Acta
Buletin Penelitian Hortikultura
Bulletin - Louisiana Agricultural Experiment Station
Bulletin Agronomique Antilles-Guyane
Bulletin des Recherches Agronomiques de Gembloux
Bulletin of Entomology (New Delhi)
Bulletin of Environmental Contamination and Toxicology
Bulletin of Hokkaido Prefectural Agricultural Experiment Station
Bulletin of the Entomological Society of America
Bulletin of the Forestry and Forest Products Research Institute, Japan
Bulletin of the Ibaraki Prefectural Forest Experiment Station
Bulletin of the Kyoto University Forests
Bulletin of the Kyushu University Forests
Bulletin of the National Institute of Agro-Environmental Sciences, Japan
Bulletin of the Shizuoka Prefectural Citrus Experiment Station
Bulletin of the Tohoku National Agricultural Experiment Station
Bulletin of the Tokyo University Forests
Bulletin SROP
Cahiers de Biologie Marine
California Agriculture
Canadian Entomologist
Canadian Journal of Botany
Canadian Journal of Microbiology
Canadian Journal of Plant Pathology
Canadian Journal of Plant Science
Canadian Journal of Zoology
Capsicum Newsletter
CAS Paper
Cassava Newsletter
Cell (Cambridge)
Centro Agrícola
Chinese Journal of Biological Control
Chinese Journal of Parasitology & Parasitic Diseases
Chromatographia
Ciba Foundation Symposium
Ciencia y Técnica en la Agricultura, Protección de Plantas
Ciencias de la Agricultura
Citrus and Subtropical Fruit Journal
Citrus and Vegetable Magazine
Cocos
Colture Protette
Communications in Soil Science and Plant Analysis
Comparative Biochemistry and Physiology. A, Comparative Physiology
Comparative Biochemistry and Physiology. B, Comparative Biochemistry
Computer Applications in the BioSciences
Comunicado Técnico-EMCAPA
Crop Protection
Crop Research (Edinburgh)
Crop Science
Current Research Reporter, Mahatma Phule Agricultural University
Current Science
Cytobios
Deep-Sea Research. Part A, Oceanographic Research Papers
Development (Cambridge)
Difesa delle Piante
Dissertation Abstracts International. B, Sciences and Engineering
Doga
Ecological Modelling
Ecotoxicology and Environmental Safety
Eesti NSV Teaduste Akadeemia Toimetised, Biologia
Egyptian Journal of Phytopathology
EMBO Journal
Entomologie et Phytopathologie Appliquées
Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg
Entomophaga
Environmental Entomology

Environmental Pollution
Environmental Toxicology and Chemistry
Euphytica
European Journal of Forest Pathology
European Journal of Medicinal Chemistry
Experientia
Experimental Parasitology
FABIS Newsletter
FAO Plant Production and Protection Paper
FAO Plant Protection Bulletin
FEBS Letters
Feldwirtschaft
FEMS Microbiology Ecology
Field Crops Research
Fitopatologia Brasileira
Fitopatología Venezolana
Florida Entomologist
Forage Notes
Forest Insect and Disease Survey, Forestry Canada
Forest Research Report - Forest Department, Sarawak
Forestry Research Notes - Department of Forestry, University of Wisconsin
Fragmenta Faunistica
FRDA Report (Victoria, B.C.)
Frontiers of Plant Science
Fruit Varieties Journal
Fruits (Paris)
Fungicide and Nematicide Tests
Gartenbau
Gartner Tidende
Gartneryrket
Genes & Development
Genetics
Genetika i Selektsiya
Genome
Genomics
Georgike Tehnologia
Gesunde Pflanzen
Gewasbescherming
Gigiena i Sanitariya
Grøn Viden, Landbrug
Great Basin Naturalist
Ground Water
Guía de Investigación CIP
Gujarat Agricultural University Research Journal
Haryana Agricultural University Journal of Research
Hassadeh
Helminthologia
Helminthological Abstracts. Series B, Plant Nematology
Helsingin Yliopiston Ympäristönsuojelun Laitoksen Julkaisuja
Hercynia
Highlights of Agricultural Research, Alabama Agricultural Experiment Station
Himachal Journal of Environmental Zoology
Hybridoma
Hydrobiologia
IDESIA
IIHR News
Index to Theses Accepted for Higher Degrees in the Universities of Great Britain and Ireland and the Council for National Academic Awards
Indian Cocoa, Arecanut and Spices Journal
Indian Journal of Agricultural Sciences
Indian Journal of Entomology
Indian Journal of Forestry
Indian Journal of Genetics & Plant Breeding
Indian Journal of Helminthology
Indian Journal of Horticulture
Indian Journal of Malariology
Indian Journal of Mycology and Plant Pathology
Indian Journal of Nematology
Indian Journal of Plant Pathology
Indian Journal of Plant Protection
Indian Journal of Pulses Research
Information Bulletin - Citrus and Subtropical Fruit Reasearch Institute
Informator o Wynikach Badań Naukowych Zakończonych, 5 (Ochrona Roślin)
Informatore Agrario
Informatore Fitopatologico
Informe de Investigación - Division de Ciencias Agropecuarias y Maritimas, Instituto Tecnologico y de Estudios Superiores de Monterrey, Mexico
Insect Science and its Application
International Arachis Newsletter
International Chickpea Newsletter
International Journal for Parasitology
International Journal of Tropical Plant Diseases
International Nematology Network Newsletter
International Pest Control
International Pigeonpea Newsletter
International Review of Cytology
International Rice Research Newsletter
IPM Practitioner
Iraqi Journal of Agricultural Sciences,'Zanco'
Italia Agricola
Izvestiya Akademii Nauk Azerbaĭdzhanskoĭ SSR, Biologicheskie Nauki
Izvestiya Akademii Nauk Kazakhskoĭ SSR, Seriya Biologicheskaya
Izvestiya Akademii Nauk Tadzhiskoĭ SSR, Biologicheskikh Nauk
Izvestiya Akademii Nauk Turkmenskoĭ SSR, Seriya Biologicheskikh Nauk
Jahresbericht - Biologische Bundesanstalt für Land- und Forstwirtschaft in Berlin und Braunschweig
Japan Pesticide Information
Japanese Journal of Nematology
Journal - Association of Official Analytical Chemists
Journal of Advanced Zoology
Journal of Agricultural Research (Lahore)
Journal of Agricultural Research of China
Journal of Agricultural Science
Journal of Agriculture of the University of Puerto Rico
Journal of Antibiotics
Journal of Applied Bacteriology
Journal of Applied Ecology
Journal of Applied Entomology
Journal of Applied Seed Production
Journal of Biological Chemistry
Journal of Biological Control
Journal of Biological Education
Journal of Biological Sciences Research
Journal of Cell Biology
Journal of Chemical Ecology
Journal of Comparative Neurology
Journal of Controlled Release
Journal of Ecology, China
Journal of Economic Entomology
Journal of Environmental Quality
Journal of Environmental Science and Health. Part B, Pesticides, Food Contaminants, and Agricultural Wastes
Journal of Experimental Biology
Journal of Experimental Zoology
Journal of Fujian Agricultural College
Journal of Gerontology
Journal of Heredity
Journal of Invertebrate Pathology
Journal of Irrigation and Drainage Engineering
Journal of Microscopy
Journal of Molecular Biology
Journal of Molecular Evolution
Journal of Natural Products
Journal of Nematology
Journal of Neurogenetics
Journal of Neuroscience
Journal of Nuclear Agriculture and Biology
Journal of Oilseeds Research
Journal of Parasitology
Journal of Phytological Research
Journal of Phytopathology
Journal of Plantation Crops
Journal of Production Agriculture
Journal of Range Management
Journal of Research, Punjab Agricultural University
Journal of Sugar Beet Research
Journal of the American Mosquito Control Association
Journal of the Andaman Science Association
Journal of the Faculty of Agriculture, Kyushu University
Journal of the Japanese Forestry Society
Journal of the North American Benthological Society
Journal of the Rio Grande Valley Horticultural Society
Journal of the World Aquaculture Society
Journal of Tree Science
Kartoffelbau
Kartoffelforschung Aktuell
Khelmintologiya
Korean Journal of Applied Entomology
Landbauforschung Völkenrode
Landbouwmechanisatie
Landwirtschaft Schweiz
Landwirtschaftliche Forschung
Landwirtschaftliches Jahrbuch der Schweiz
Legumes Pathology Progress Report
Liberation Bulletin
Liebigs Annalen der Chemie
Lietuvos TSR Mokslu Akademijos Darbai, C (Biologijos Mokslai)
Madras Agricultural Journal
Magazine, College of Agriculture, Nagpur
Manejo Integrado de Plagas
MAPPS Newsletter
Marine Ecology, Progress Series (Halstenbek)
Mededelingen van de Faculteit Landbouwwetenschappen, Rijksuniversiteit Gent

Mededelingen van de Kroninklijke Academie voor Wetenschappen, Letteren en Schome Kunsten van Belgie
Mesopotamia Journal of Agriculture
Microbiological Sciences
Microbiology (New York)
Mikrobiologiya
Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft Berlin-Dahlem
Mitteilungen der Deutschen Bodenkundlichen Gesellschaft
Mitteilungen der Deutschen Gesellschaft für Allgemeine und Angewandte Entomologie
Mitteilungen der Schweizerischen Entomologischen Gesellschaft
Molecular and Biochemical Parasitology
Molecular Reproduction and Development
Monograph - British Crop Protection Council
Mushroom Journal
Mushroom Journal for the Tropics
Mutation Research
Mycologia
Mycological Research
Mycopathologia
Nachrichtenblatt des Deutschen Pflanzenschutzdienstes
Nachrichtenblatt für den Pflanzenschutz in der DDR
National Academy Science Letters
NATO ASI Series. Series A, Life Sciences
NATO ASI Series. Series H, Cell Biology
Natural Enemies of Insects
Nature (London)
Nauchnye Doklady Vysshei Shkoly, Biologicheskie Nauki
Nematologia Brasileira
Nematologia Mediterranea
Nematologica
Nematology Circular (Gainesville)
Nematropica
Netherlands Journal of Agricultural Science
Netherlands Journal of Plant Pathology
New Botanist
New Zealand Journal of Agricultural Research
Növényvédelem
Nucleic Acids Research
Obstbau Weinbau
Oecologia
Ohio Journal of Science
Oil Crops of China
Onderzoekverslag - Landbouw-Economisch Instituut
Outlook on Agriculture
Pacific Science
Pakistan Cottons
Pakistan Journal of Nematology
Pakistan Journal of Zoology
Paper - American Society of Agricultural Engineers
Parasitology
Parasitology Today
Parazitologiya
Pedobiologia
Pelita Perkebunan
Pennsylvania Fruit News
Pertanika
Pesquisa Agropecuária Brasileira
Pest Advisory Leaflet-South Pacific Commission
Pesticide Biochemistry and Physiology
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Pesticides
Pflanzenschutz (Wien)
Pflanzenschutz-Praxis
Pflanzenschutzmittel-Verzeichnis. Teil 1, Ackerbau - Wiesen und Weiden - Hopfenbau - Sonderkulturen - Nichtkulturen - Gewässer
PGRC/E-ILCA Germplasm Newsletter
Philippine Agriculturist
Photochemistry and Photobiology
Physiological and Molecular Plant Pathology
Phytoparasitica
Phytopathological Papers
Phytopathology
Phytophylactica
Phytoprotection
PKV Research Journal
Plant and Soil
Plant Breeding
Plant Breeding Reviews
Plant Disease
Plant Disease Research
Plant Protection Bulletin (Faridabad)
Plant Protection Bulletin, Taiwan
Plant Protection News
Plant Varieties Journal
Planter
PLANTI News
Plasmid
Polskie Pismo Entomologiczne
Potato Research
Prace Naukowe Instytutu Ochrony Roślin.
Problems of Desert Development
Proceedings - American Peanut Research and Education Society
Proceedings of Parasitology
Proceedings of the Association for Plant Protection of Kyushu
Proceedings of the Entomological Society of Washington
Proceedings of the Helminthological Society of Washington
Proceedings of the Indian Academy of Parasitology
Proceedings of the Indian Academy of Sciences, Animal Sciences
Proceedings of the National Academy of Sciences of the United States of America
Proceedings of the New Zealand Weed and Pest Control Conference
Progressive Horticulture
Prophyta
Punjab Horticultural Journal
Quarterly Journal of Chinese Forestry
Quarterly Newsletter - Asia and Pacific Plant Protection Commission
Queensland Agricultural Journal
Redia
Reference Book - Ministry of Agriculture, Fisheries and Food
Report - Potato Marketing Board
Report of the North American Alfalfa Improvement Conference, USA.
Research Bulletin - ICRISAT, International Crop Research Institute for the Semi-Arid Tropics
Research Bulletin - National Horticultural Research Institute, Ibadan
Research Extension Series - Hawaii Institute of Tropical Agriculture and Human Resources
Research Note - Southeastern Forest Experiment Station, USDA Forest Service
Research on Grassland Ecosystem
Research Report - Mississippi Agricultural and Forestry Experiment Station
Researches on Population Ecology
Review of Plant Pathology
Revista Brasileira de Zoologia
Revista Cafetalera
Revista Ceres
Revista Cubana de Medicina Tropical
Revista Ibérica de Parasitología
Revista Mexicana de Fitopatología
Revista Theobroma
Revue de l'Agriculture
Revue de Nématologie
Revue de Zoologie Africaine
Revue Suisse de Viticulture, d'Arboriculture et d'Horticulture
Rice Research Newsletter
Rivista di Parassitologia
Roux's Archives of Developmental Biology
Rural Research
SACCAR Workshop Series, Southern African Centre for Cooperation in Agricultural Research
Sbornik Nauchnykh Trudov po Prikladnoi Botanike, Genetike i Selektsii
Schweizerische Landwirtschaftliche Forschung
Science (Washington)
Science and Culture
Science and Environment
Scientia Agricultura Sinica
Sel'skoe Khozyaistvo Uzbekistana
Selektsiya i Semenovodstvo (Moskva)
Shell Agriculture
Singapore Journal of Primary Industries
Soil & Tillage Research
Soil Biology & Biochemistry
Soil Science
Sorghum Newsletter
South African Journal of Enology and Viticulture
South African Journal of Science
South African Journal of Zoology
South Indian Horticulture
Soviet Agricultural Sciences
Soviet Journal of Marine Biology
Soybean Genetics Newsletter
Sri Lanka Journal of Tea Science
Sveriges Utsädesförenings Tidskrift
Sylwan
Systematic Parasitology
Tea Bulletin
Technical Paper - Commonwealth Science Council
Technical Report - Biological Control Centre, ICAR
Terra e Vita
Theoretical and Applied Genetics
Tissue & Cell
Tobacco International
Tobacco Research
Toxicology and Industrial Health
Transactions of the Royal Society of South Australia Incorporated
Trends in Biotechnology

Tri-ology Technical Report
Tropical Agriculture, UK
Tropical Agriculturist
Tropical Grasslands
Tropical Pest Management
Trudy Gel'mintologicheskoi Laboratorii
Trudy Zoologicheskogo Instituta, Akademiya Nauk SSR
Turkiye Entomoloji Dergisi
United States Patent
Utah Science
Uttar Pradesh Journal of Zoology
Üzbekiston Biologija Zurnali
Växskyddsrapporter, Jordbruk
Verhandlungen Gesellschaft für Ökologie
Verslagen en Mededelingen, Plantenziektenkundige Dienst, Wageningen
Vestnik Zoologii
Vignevini
Water Resources Bulletin
Water Science and Technology
Weed Science
Wiadomości Parazytologiczne
Zashchita Rastenii (Moskva)
Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz
Zemědělská Ekonomika
Zentralblatt für Mikrobiologie
Zologischeskii Zhurnal
Zoologica Scripta
Zoological Record
Zoological Science
Zoologicheskii Zhurnal
Zuowu Pinzhong Ziyuan

CAB INTERNATIONAL INFORMATION SERVICES
PRODUCTS AND SERVICES

Almost 100 scientists/linguists in the 11 Bureaux of CABI's Information Services at Wallingford, UK, with help from associated organizations and individuals worldwide, abstract and index the significant research and development literature in agriculture, forestry and allied disciplines. Over 10,000 serials and many other publications are scanned, and approximately 130,000 bibliographic records are compiled each year. From this computerized database is derived a wide range of information services and products in hard copy and machine-readable form, designed to meet a variety of customer needs.

HARD COPY PRODUCTS

Abstract journals

The following abstract journals on specific disciplines, specialist crops or products, or particular livestock are published, mostly monthly or quarterly. Each has author and subject indexes, cumulated annually in a special issue of the journal.

Animal Science and Production
Animal Breeding Abstracts; Dairy Science Abstracts; Nutrition Abstracts & Reviews, Series B-Livestock Feeds & Feeding; Pig News & Information; Poultry Abstracts.

Veterinary Science and Parasitic Diseases
Helminthological Abstracts; Index Veterinarius; Protozoological Abstracts; Review of Medical & Veterinary Entomology; Review of Medical & Veterinary Mycology; Veterinary Bulletin.

Crop Science and Production
Crop Physiology Abstracts; Faba Bean Abstracts; Field Crop Abstracts; Herbage Abstracts; Horticultural Abstracts; Irrigation & Drainage Abstracts; Maize Abstracts; Ornamental Horticulture; Plant Breeding Abstracts; Plant Growth Regulator Abstracts; Postharvest News and Information; Potato Abstracts; Rice Abstracts; Seed Abstracts; Soils & Fertilizers; Sorghum & Millets Abstracts; Soyabean Abstracts; Sugar Industry Abstracts; Wheat, Barley & Triticale Abstracts.

Forestry
Agroforestry Abstracts; Forest Products Abstracts; Forestry Abstracts.

Crop Protection
Biocontrol News & Information; Nematological Abstracts; Review of Agricultural Entomology; Review of Plant Pathology; Weed Abstracts.

Economics, Development and Sociology
Leisure, Recreation & Tourism Abstracts; Rural Development Abstracts; World Agricultural Economics & Rural Sociology Abstracts.

Machinery and Buildings
Agricultural Engineering Abstracts.

Human Nutrition
Nutrition Abstracts & Reviews, Series A-Human & Experimental.

Biotechnology/Biodeterioration
AgBiotech News & Information; Biodeterioration Abstracts.

Also published is a series of current awareness publications (CAB Prompts) on specific crops. Subject indexes are not provided. Titles in the series so far are: *Groundnuts* and *Chickpeas/Pigeonpeas*. In addition, many retrospective compilations of abstracts (Annotated Bibliographies) on various topics are available on demand.

SDI Service

SDI (Selective Dissemination of Information) is a regular current awareness service based on the most recent input to the database. Subscribers decide their own search profile and receive search results at intervals of their choice, either as computer printout or on floppy discs suitable for most microcomputers. Delivery by airmail.

CAB Alerts

This is a special SDI service providing subscribers each month with the search results from standard profiles chosen by CABI. Numerous titles are available and the list is regularly updated to reflect new subject interests. Output is available on computer printout posted by airmail.

MACHINE-READABLE PRODUCTS AND SERVICES

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The machine-readable database, known as CAB ABSTRACTS, is publicly accessible online through DIALOG Information Services (USA), BRS Information Technologies (USA), ESA-IRS (Italy), DIMDI (GFR), JICST (Japan), CAN-OLE (Canada) and Tsukuba Daigaku (Japan). The whole database back to 1973 contains over 2 million records. Search aids include the CAB ABSTRACTS Online Manual, the CAB Thesaurus (1988 Edition) and the CAB International Serials Checklist (1988).

CAB ABSTRACTS on Compact Disc

The database is also available on CD-ROM (Compact Disc Read Only Memory). Volume one contains bibliographic citations and abstracts for 1984-86; the second volume contains the 1987-89 data. CD-ROM technology provides an online search capability without the worries of cost or telecommunication problems. An IBM or fully IBM-compatible PC, 640 K RAM, MS-DOS or PC-DOS version 2.1 or higher, and a CD-ROM player are needed. The SPIRS (SilverPlatter Information Retrieval System) software allows maximum search flexibility.

Magnetic tapes

Organizations with access to mini or mainframe computers may lease all or part of CAB ABSTRACTS on magnetic tape. Update tapes are issued monthly, and retrospective tapes as required.

OTHER PRODUCTS AND SERVICES

Document Delivery Service

Photocopies of originals of most articles included in the database are available from CABI Library Services, Silwood Park, Ascot, UK. Documents may also be ordered online via DIALOG's DIALORDER or ESA/IRS's PRIMORDIAL.

Books and serial publications

CABI publishes authoritative reference books, directories and serial publications, the latter including *Bulletin of Entomological Research, Outlook on Agriculture, Index of Current Research on Pigs, Distribution Maps of Pests, Distribution Maps of Plant Diseases, Bibliography of Systematic Mycology, Descriptions of Pathogenic Fungi & Bacteria, Index of Fungi,* and *Systema Ascomycetum*. CABI is a co-sponsor of the International Food Information Service which publishes *Food Science & Technology Abstracts.*

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The Organization
CAB International (CABI) is an international, intergovernmental organization registered with the United Nations. It is owned and administered by its member governments; these currently number 29, but membership is open to all governments who wish to participate. Established in 1928, the organization provides information, scientific, and development services for agriculture and allied disciplines throughout the world.

Information Services
The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine. Abstract journals derived from the database, and online access to it, provide a unique source of information for research scientists, development planners, educators and students. Subsidiary but growing tasks are the publication of primary journals and reference works, and training information professionals in developing countries.

The Accessions Unit acquires the relevant scientific and technical literature (ca 10,000 serials and over 5,000 other publications annually) for abstracting by almost 100 scientists/linguists in the following 11 Bureaux:

Agricultural Economics
Animal Breeding & Genetics
Animal Health
Dairy Science & Technology
Nutrition
Pastures & Field Crops
Crop Protection
Horticulture & Plantation Crops
Plant Breeding & Genetics
Soils
Forestry

Further material is acquired and processed by collaborating or contracted organizations. Other staff coordinate work on specialized directories and databanks, and commission new books and primary journals. The Publications Unit is responsible for printing the journals and books, and the Marketing & Sales Division promotes and sells Information Services products and services world-wide (see inside back cover for details).

Scientific Services
CABI's Scientific Services consist of four institutes and two support services:

CAB International Institute of Entomology (CIE), Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

CAB International Mycological Institute (CMI), Director Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

CAB International Institute of Parasitology (CIP), Director Dr R. Muller, located at Winches Farm, St Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

CAB International Institute of Biological Control (CIBC), Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training, and participates in integrated pest management programmes.

Development Services, (CDS), Head Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services.

Library Services, Manager Mr C.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

Systems
The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications access to seven remote sites, including four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilties. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and information retrieval and PAGER for typesetting.

The staff of 20 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CABI bibliographic database and associated functions, plus accessions control, subscription management and electronic publishing.

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